



SPECIALIZED TESTING SERVICES

(AN ISO 9001 CERTIFIED MULTI DISCIPLINARY TESTING LABORATORY)

Old No. 23N / New No: 4A, MKG Layout, GN Mills Post, Coimbatore 641029.
Phone : +91 422 4980402, E-mail : stslabce@gmail.com, Web : www.stslab.in

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REPORT NUMBER: STS/RE/2024-25/1283

DATE: 15.10.2024

CERTIFICATE OF ANALYSIS

Issued To : **KAMADHEI AGRO FARM LLP,**
PLOT # 1028, CANAL ROAD,
NEXT TO MEGA WATER PURIFICATION PROJECT,
JAGADAL PUR, DIST:GANJAM,
ODISHA - 761001.

Sample Description : **BLACK TURMERIC POWDER**
(CURCUMA CAESIA POWDER)

Sample Quantity Received : 250gm (approx.)

Date of Receipt of Sample : 24.09.2024

Date of Start of Analysis : 08.10.2024

Date of Completion of Analysis : 15.10.2024

Sampling Done by : Customer

Technical Reference/Test Method : FSSAI/AOAC/BIS/Phytochemical methods

PHYSICO-CHEMICAL ANALYSIS

SL.NO	PARAMETER	SPECIFICATION	RESULT	REMARKS
1.	Appearance	Powder	Conforms	Complies
2.	Odour	Characteristic	Conforms	Complies
3.	Colour	Yellowish brown	Conforms	Complies
4.	Ash	Max 5%	2.4%	Complies
5.	Moisture	Max 10%	7.2%	Complies
6.	Acid insoluble ash	Max 1.5%	0.03%	Complies
7.	Total Curcumin	Min 2.0%	5.8%	Complies

HEAVY METALS ANALYSIS

1.	Lead	Max 5mg/kg	0.23mg/kg	Complies
2.	Cadmium	Max 0.5mg/kg	BDL(DL:0.01mg/kg)	Complies
3.	Mercury	Max 0.5mg/kg	BDL(DL:0.01mg/kg)	Complies
4.	Nickel	Max 0.2mg/kg	BDL(DL:0.01mg/kg)	Complies

MICROBIOLOGICAL ANALYSIS

1.	E.Coli	To be Absent	Absent	Complies
2.	Salmonella	To be Absent	Absent	Complies
3.	Total microbial count	10x10 ³ cfu/g	32x10 ² cfu/g	Complies

BDL: Below Detection Limit, DL: Detection Limit



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BIOACTIVE COMPOUNDS			
SL.NO	PARAMETER	RESULT	REMARKS
1.	Carotenoids	0.35mg/gm	-
2.	Saponins	40mg/gm	-
3.	Tannins	58.3mg/gm	-
4.	Phenolics	102mg/gm	-
5.	Terpenoids	37.2mg/gm	-
6.	Courmarins	26.4mg/gm	-
7.	Anthraquinones	18.1mg/gm	-

PHYTOCHEMICALS ANALYSIS			
SL.NO	PARAMETER	RESULT	REMARKS
1.	Camphor	8.2mg/gm	-
2.	Ar-turmerone	21.6mg/gm	-
3.	(Z)ocimene	9.4mg/gm	-
4.	ar-curcumene	24.2mg/gm	-
5.	Cineole	26.0mg/gm	-
6.	Elemene	17.5mg/gm	-
7.	Borneol	19.8mg/gm	-
8.	Bornyl acetate	11.6mg/gm	-
9.	Curcumene	31.7mg/gm	-

Analyzed By: Abirami.A (Sr.Chemist) & Jeevitha.M (Microbiologist)

Important Note:

*The given results reflect our findings of the submitted sample only. Reports shall not be reproduced except in full without the written permission from the laboratory.

*The report/results should not be used as evidence in the court cases and also forbidden to use for any kind of advertisements.

*If you have any queries on this report please contact us within 15days from the report date. Strictly we won't entertain any queries received after 15days from the report date.

For SPECIALIZED TESTING SERVICES


Authorized Signatory